

JOURNAL OF LOW TEMPERATURE PHYSICS—Volume 55, 1984

The *Journal of Low Temperature Physics* is an international medium for the publication of original papers on fundamental theoretical and experimental research in low temperature physics. Typical subject areas are:

- Properties of Fermi and Bose systems, especially in the condensed phases, and of the hydrogen and helium isotopes;
- Superfluidity and the properties of quantum fluids and solids;
- Properties of isotopic mixtures at low temperatures;
- Superconductivity;
- Phase transitions at low temperatures;
- Thermal properties, thermodynamics, and statistical mechanics of low temperature phenomena;
- Lattice dynamics, phonon phenomena, acoustic, mechanical, and optical properties of substances at low temperatures;
- Electronic properties of metals, semiconductors, and alloys including Fermi surfaces, oscillatory phenomena, magnetoelectrical effects, acoustic properties, and transport phenomena at low temperatures;
- Magnetism at low temperatures including a paramagnetic, ferromagnetic, and antiferromagnetic properties and including the behavior of dilute alloys and nuclear spin systems;
- Surface phenomena at low temperatures.

Occasionally review articles will be included. No papers solely of a technical or applied nature will be accepted.

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JOURNAL OF LOW TEMPERATURE PHYSICS

Vol. 55, Nos. 1/2

April 1984

CONTENTS

On the Thermodynamic Properties of Vanadium	1
<i>J. M. Daams, J. P. Carbotte, M. Ashraf, and R. Baquero</i>	
Phonon Anomalies in ZrRuP?	11
<i>H. Keiber, H. Wühl, G. P. Meissner, and G. R. Stewart</i>	
Two-Stage Nuclear Demagnetization Refrigerator Reaching 27 μK	17
<i>H. Ishimoto, N. Nishida, T. Furubayashi, M. Shinohara, Y. Takano, Y. Miura, and K. Ôno</i>	
The Frequency-Dependent Conductivity of a Dirty Superconductor and the Role of Inelastic Scattering	33
<i>J. Beyer Nielson, H. Smith, and S.-R. Yang</i>	
Model Calculations of the Time-Dependent Flux-Flow Voltage in a Thin-Film Type I Superconductor	51
<i>W. Buck, J. Parisi, and B. Mühlmeier</i>	
Anisotropy Effects on the Specific Heat Jump of a Superconductor with Normal and Paramagnetic Impurities	67
<i>H. G. Zarate and J. P. Carbotte</i>	
Magnetic Coupling of ³ He with a Fluorocarbon Substrate	83
<i>L. J. Friedman, T. J. Gramila, and R. C. Richardson</i>	
Low-Temperature Magnetic Properties of EuMo ₆ S ₈ and EuMo ₆ Se ₈	111
<i>T. Takabatake, R. W. McCallum, M. Kubota, and F. Pobell</i>	
Energy Bands and Electron Density in Bismuth with a Uniform DC Magnetic Field	127
<i>Mao-Hsiung Chen, Chhi-Chong Wu, and Chau-Jy Lin</i>	
Effect of Plastic Bending on Electron Transport in Highly Compensated <i>n</i> -Type InSb in the Temperature Range 1.2–300 K	141
<i>Hari Kishan, S. K. Agarwal, and K. D. Chaudhuri</i>	
Heat Transfer Between Liquid ³ He and Sintered Metal Heat Exchangers	157
<i>A. R. Rutherford, J. P. Harrison, and M. J. Stott</i>	
Conduction Electron <i>g</i> -Factors in Ruthenium and Osmium from de Haas-van Alphen Measurements	175
<i>V. E. Startsev, P. T. Coleridge, I. M. Templeton, E. Fawcett, C. Muir, and J. M. Perz</i>	
Comment on “Cubic Spline Fit to the 1958 ⁴ He Scale of Temperatures”	189
<i>Martin H. Edwards</i>	
Reply to Edward’s Comment	191
<i>C. F. Barenghi, R. J. Donnelly, and R. N. Hills</i>	

JOURNAL OF LOW TEMPERATURE PHYSICS

Vol. 55, Nos. 3/4

May 1984

CONTENTS

Heat Capacity Analysis of a Large Number of Chevrel-Type Superconductors <i>B. Lachal, A. Junod, and J. Muller</i>	195
Nonanalytic Properties and Normal Current of Superfluid ^3He -A at $T = 0\text{ K}$ <i>Katsuhiko Nagai</i>	233
The Decay Rate of Critical Fluctuations in ^3He - ^4He Mixtures Near the Gas-Liquid Critical Point <i>Yu-Ichi Miura, Horst Meyer, and Akira Ikushima</i>	247
Two-Dimensional Pressure-Temperature Phase Diagram and Latent Heats of Neon Adsorbed on Exfoliated Graphite <i>J. L. M. Demétrio de Souza, R. E. Rapp, E. P. de Souza, and E. Lerner</i>	273
Specific Heat, Pressure, and the Grüneisen Relation in Solid Hydrogen <i>D. G. Haase, L. R. Perrell, and A. M. Saleh</i>	283
Macroscopic Quantum Tunneling in Small- and Large-Dissipation Regimes <i>Antonio Barone and Yuri N. Ovchinnikov</i>	297
Upper Critical Field of Nb and Nb+1 at % Ta Determined by Calorimetric and Magnetic Methods <i>Zhang Dianlin, Lin Shuyuan, C.-G. Cui, and Chen Zhaojia</i>	303
Theory of Helium Under Heat Flow Near the λ Point. II. Dynamics of Phase Change <i>Akira Onuki</i>	309
The Specific Heats of Gadolinium and Terbium Pentaphosphates from 0.4 to 20 K <i>R. W. Hill</i>	341
Influence of a Modified Ree-Bender Potential on the Rotation-Libration Transition in Solid Molecular Hydrogen <i>I. Aviram, S. Goshen, and R. Thieberger</i>	349
Depressions of Superfluid Density and Transition Temperature of ^3He Confined in Small Pores <i>T. Chainer, Y. Morii, and H. Kojima</i>	353

JOURNAL OF LOW TEMPERATURE PHYSICS

Vol. 55, Nos. 5/6

June 1984

CONTENTS

Upper Critical Field and Related Properties of Superconducting Amorphous Alloys <i>Zr-Si</i>	393
<i>N. Toyota, A. Inoue, T. Fukase, and T. Masumoto</i>	
Anderson Impurities in a Transition Metal Superconductor. Kondo Effect <i>I. M. Tang and S. Roongkeadsakoon</i>	411
Effect of Kapitza Resistance on Standing Surface Waves in Superfluid Helium <i>R. J. Atkin and N. Fox</i>	429
Thermal Resistance Between a Paramagnetic Salt (CMN) and Liquid Helium at Millikelvin Temperatures <i>M. Jutzler and A. C. Mota</i>	439
A Superfluid Waveguide Partially Packed with Superleak. Probing the Acoustic Properties of Porous Media <i>David Linton Johnson and I. Rudnick</i>	455
Cylindrical Poiseuille Flow of a Fermi Liquid <i>F. Topsøe and H. Højgaard Jensen</i>	469
Vortex Motion in Type II Superconductors with Controllable Type Defects <i>O. V. Magradze, L. V. Matyushkina, and V. A. Shukhman</i>	475
Vibrating Superleak Second-Sound Transducer. Theory and Experiment <i>N. Giordano</i>	495
Resistivity of Ternary Chevrel Superconductors <i>R. A. Martin and L. R. Corruccini</i>	527
The Orientational Phase Transition at a Vortex in ${}^3\text{He-B}$ <i>E. B. Sonin</i>	533
An Electron-Phonon Contribution to the Stoner Enhancement in GaMO_4X_8 Com- pounds <i>A. K. Rastogi, R. Tournier, A. Berton, M. Potel, R. Chevrel, and M. Sergent</i>	551
Author Index to Volume 55	569
Subject Index to Volume 55	571

